

PO No	Supplier	Line Item No	Ref. No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038389	ACI001-VC	1	1	Net 30	M304B0.625X3.000	304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				36	11/23/2017	✓ 39	✓ S012902	Stock	11/23/2017	\$ 25.20 / ft	0		\$972.63	Acier Ouellette Inc.	
					MT-A513-T-2.625W0.250	A513 Seamless Alloy Steel Round Tubing 2.625" dia. x 0.250" Wall				12		✓ 12	✓ S012943	Stock	11/23/2017	\$ 34.00 / ft	0		\$408.00	Acier Ouellette Inc.	
										Total:	48	51								\$1,088.87	

Plex 11/23/2017 10:51 AM Dart.Plouffe.Sonia



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO038389

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038389
PO Date: 11/16/17
Due Date: 11/27/17
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED
NOV 16 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quotation no. sou0071175

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.625X3.000	-	304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/23/17	36 ft	0 ft	36 ft	\$25.19777/ft	\$907.12
2	MT-A513-T-2.625W0.250	-	A513 Seamless Alloy Steel Round Tubing 2.625"dia. x 0.250" Wall		Firmed	11/23/17	12 ft	0 ft	12 ft	\$34.00/ft	\$408.00
3	M303B0.250X4.000	-	M303 Bar 0.250 Thick x 4.000 Wide : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/27/17	12 ft	0 ft	12 ft	\$41.25/ft	\$495.00
4	M7075T6R0.750	-	M7075T6R0.750 : MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ROUND BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4124/4186/4187 OR PER AMS QQ-A- 200/11 receive ft		Firmed	11/27/17	12 ft	0 ft	12 ft	\$19.16666/ft	\$230.00

Grand Total: \$2,040.12

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038389

Order Notes

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/16/17 3:13 PM *dart.lavoie.chantal*



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy C000062428

Customer N° CL10001056
Date 2017/11/16

Delivery date 2017/11/21

Your order N° 038389

Josianne Bourdon

Shipped to

DART AEROSPACE LTD

DART AEROSPACE LTD

Ontario,

1270 , ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

OUELLETTE VALLEYFIELD

Delivery Route

Credit Terme

Net 30 Days

Page

1

Product Description	Weight	Qty	U/M	PI_SCLB	CMD	EXP	B/O	IN	Internal Use Only			
									I	S	C	OUT
1 FLAT SS 5/8 X 3 SS3304 NS FSS-583 9221	229.68	36.00			3.00							
3 X 12' R/L HEAT: 56170772 AC11378-CF-20/11												
2 TUBE MEC 2.625 OD X .250 RANDOM NS TME-2625250-V 8807	76.09	12.00	P1		1.00							
1 X 12' HEAT: 784610C AC11320-MN-20/11												

Total Weight (LBS) : 305.77

NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc" is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc" to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer agrees to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to fire seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :

Delivered By :	Time

Customer's Signature	

Total (\$CAD)	1 486.09
Deposit	0.00
Balance	1 486.09

PO, 11318

 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade							Nr.: / Nr.; / Nr.:						
		EN 10204:2004 / 3.1							0000132900						
		Unsere Innere Verweisung / Our Int. Ref. N/ ref Int							Datum / Date / Data						
		5600036751 000060							31.08.2017						
Normen / Standards / Normas															
TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A282-15 Pract. E, AMS QQ-S-763D, AMS 5639J, AMS 5647K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16															
Bestell Nr./Order Nr./Enc.Nr.		C109431					Bestell Nr./Order Nr./Enc.Nr.		C109431.8						
Produktgruppe / Product Group / Grupo Produto						Gewicht / Weight / Peso			Bunde / Bundle / Alados						
AISI 304/L FLAT 5/8 X 3"						2.077 lb			01						
Werkstoff-Nr. Material-no. Qualidade			Werkstoff-Normbezeichnung / Material standard grade / Norma do material												
1.4307			X 2 CrNi 18-9												
Beschreibung / Description / Descrição															
Stainless steel flat bars, hot rolled, heat treated, straightened and pickled. US DFAR 252.225-7009: MELT SOURCE: United Kingdom / MFG: Portugal.															
Schmelzen Nr. Cast nr. / Fusione nr.		Chemische Analyse in % / Chemical composition in % / Analise química em %													
56170772		C	0.017	Si	0.410	Mn	1.680	P	0.039	S	0.025	Cr	18.400	Ni	8.060
EAF+AOD		Mo	0.350	Co	0.135	Cu	0.720	N	0.080	Ti	0.001	Al	0.005	-	-
Proben Nr. Test no. Amostra no.		ASTM E399			ASTM A370										
		Kerbschlagarbeit Impact Test Resistência (Charpy V)			Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Limite de extensão	Zugfestigkeit Tensile strength Tensão de returna	Elastizität Elongation Alongamento	Einschränkung Reduction of area Coef. Estricção						
		Rp 0.2 %			Rp 1.0%	Rm	A5	4D	Z						
		[J]			[Ksi]	[Ksi]	[Ksi]	[%]	[%]	[%]	[%]				
3063023.01.01		198.0	57.4	61.3	97.3	52.1	55.7	69.0							
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok	ASTM E10			ASTM A262 Practice E			Wärmebehandlung Heat treatment Tratamento térmico						
ASTM A484 Makrokontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok	Härte Hardness Dureza	202	[HB]	Korrosionsbeständigkeit IC Test Corrosão intercristalina	<input checked="" type="checkbox"/> Ok				Annealed Quenched 1900 °F (1050 °C) (water quenched)				
Verwechslungsprüfung Test of identity Teste da identificação		<input checked="" type="checkbox"/> Ok	Korngröße Grain size Tamanho do grão	9		Versuchsvorstandiger Quality Control Representative Inspector da Qualidade									
			Makroskopische Untersuchung Macrographic test			Nuno Silva (N-NS)									
Bemerkungen / Remarks / Observações															
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination. Confirmamos que este material respeita as especificações de acordo com as normas referidas.															
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.															

129-K-PP



Sharon Tube

A DIVISION OF ZEKELMAN INDUSTRIES

100 Martin Luther King Jr. Blvd., Farrell, 16121

PRODUCT CERTIFICATION

HEAT NUMBER

784610C

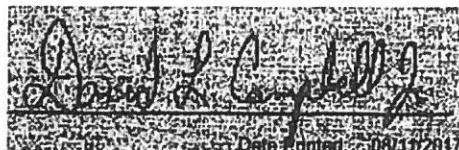
SALES ORDER

000532083

DAS
9
880

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	BNDLS	LADING NO	SHIPMENT DATE
BC6564	CDM 2.625 .250 2.125	1,742	FT	2 0085067957	08/11/2017
SPECIFICATION					
Grade 1026AK					
O.D. 2.6250 +0.0080 -0.0000					
I.D. 2.1250 +0.0000 -0.0080					
Wall .2500 +0.0000 -0.0000 *Reference Dimension					
Len 20' 0.000"/24'0.000" Random					
Temp Stress Relieved					
ASTM A-513 Type 5 <i>rel</i>					
Cold Drawn Electric Weld Carbon Steel Mechanical Tubing					
WT/FT: 6.34125					
Finish Type: Normal					
End Use: none					
***** STENCIL REQUIRED *****					
STENCIL COLOR: Not Blue					
PHYSICAL TESTS REQUIRED					
TENSILE: 75000 / 115000					
YIELD: 65000 / 105000					
YT: .99 MAXIMUM					
RB: 80 / 105					
ELONG: 10 / 40					
CERTIFICATION REQUIREMENTS					
Chemical, Ladle Analysis, %					

David L. Campbell, Manager, Technical Services, being duly sworn according to law, deposes and says that the figures set forth above are correct, as contained in the figures of Sharon Tube Company.





Sharon Tube

A DIVISION OF ZEKELMAN INDUSTRIES

100 Martin Luther King Jr. Blvd., Farrell, 16121

PRODUCT CERTIFICATION

HEAT NUMBER

784610C

SALES ORDER

0005320831

CUSTOMER P.O.	CUSTOMER PART					QUANTITY	BNDLS	LADING NO	SHIPMENT DATE															
BC6564	CDM 2.625 .250 2.125					1,742	FT	2	0085067957															
C .26	Mn .77	P .007	S .005	Si .05	Al .046	Cu .033	Ni .014	Cr .034	Mo .004	V .002														
Ca .002																								
Physical Tests																								
Melt Mill US Steel Lake Erie	Melt Country Canada			Melt Practice Basic Oxygen			Cast Strand																	
Reduction Ratio >6:1	DFARS Compliant Yes																							
Tubing Mechanical Test Results																								
<u>TEST</u>	<u>UNITS</u>		<u>HIGH</u>		<u>LOW</u>		<u>AVERAGE</u>																	
Yield,PSI	PSI		82170		82170		82170																	
Tensile,PSI	PSI		94290		94290		94290																	
Elongation,%-2"	% -2"		30.07		30.07		30.07																	
Yield/Tensile Ratio					.871		.871		0.871															
Rockwell B Hardness	HRb		89		89		89																	
<p>Certified Test Report Type 3.1B In accordance with EN 10204/ISO 10474/DIN 50049. Material has not come in direct contact with mercury, any of its compounds or any mercury bearing devices during the manufactured process, tests or inspections. Material does not contain any polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).</p> <p>Cold Drawn Electric Weld Carbon Steel Mechanical Tubing Meeting the Requirements of ASTM A513-15 Type 5. Eddy Current Tested per S8.2.1 or Flux Leakage Tested per S8.4 or Ultrasonic Tested per S8.3. No weld repairs have been performed. Hardness and tensile testing conducted per most current editions of ASTMA513 S5 and ASTM A370. Yield Strength determined @ 0.2% offset. Grain size #5 or finer. All steel fully killed. Manufactured in the U.S.A.</p>																								
End of Certification																								

David L. Campbell, Manager, Technical Services, being duly sworn according to law, deposes and says that the figures set forth above are correct, as contained in the figures of Sharon Tube Company.



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1-A513+2.625W0.250

PO / BATCH NO.: 038389/5012943

DATE: NOV 30 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12"
 QUANTITY INSPECTED: 12"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250
 THICKNESS RECEIVED: 0.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	A57m A513
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Heat# 784610C
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>pd</u> DAS 9 3-68	SIGNED OFF BY: _____
DATE: <u>NOV 30 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.09.06	V/M	WHA

PURCHASE MATERIAL: ASTM A513 SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION:

ASTM A513

MT-A513-T-[D.DDD][T.TTT]

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

TOLERANCES PER MANUFACTURER SPECIFICATIONS

A

DART
AEROSPACE
Montreal, Quebec, Canada

TITLE ASTM A513 ALLOY STEEL
ROUND TUBING (DOM)

DRAW NO. MT-A513-T

REV A

DESIGN BY:	XXX	105	PROJECTION: 1/8
DRAWN BY:	X	± .1	ANGLES: ± 10°
CHECKED:	VM 08/13/2017	1. DIMENSIONS ARE IN INCHES. 2. UNLESS OTHERWISE INDICATED, INTERPRET DRAWINGS ACCORDING TO ASME Y14.5M-2009	
MFG. APPROV:	DP 08/13/2017	3. AFTER NORMAL HEAT TREATMENT, ALLOWABLE DIMENSIONAL CHANGES	
QA APPROV:	PD 08/13/2017	4. WEIGHT: N/A	
APPROVED:	VM 09/14/2017	5. SHEET 1 OF 1	
DATE:	9/13/2017	COPYRIGHT © 2011 BY DART AEROSPACE LTD	
		TIME DOCUMENT IS FOR OFFICE USE ONLY. DO NOT COPY OR DUPLICATE IT, OR USE IT FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT WAS ISSUED.	
		PRINTED ON AND OWNED BY DART AEROSPACE LTD. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD.	

EGN 17-655

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.625x3.000

PO / BATCH NO.: 038389/5012902

DATE: NOV 30 2017

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 39
 QUANTITY INSPECTED: 39
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .625
 THICKNESS RECEIVED: .625
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	AISI 304
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	Heat # 56170772
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>JCL</u> <u>9</u>	SIGNED OFF BY: _____
DATE: <u>NOV 30 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

